

P&ID/PFD SYMBOLS (GENERAL INSTRUMENT OR FUNCTION SYMBOLS)

VALVE & INSTRUMENTATION IDENTIFIER LETTERS													
FIRST-LETTERS	INDICATING MEASURED OR CONTROLLED VARIABLE	CONTROLLERS <small>RECORDING/INDICATING/BLIND</small>	VALVES	READOUT DEVICE <small>RECORDING/INDICATING</small>	SWITCHES AND ALARM DEVICES <small>HIGH* LOW *COMB</small>	TRANSMITTERS <small>RECORDING/INDICATING/BLIND</small>	SOLENOIDS <small>RELAYS/COMPUTING DEVICES</small>	PRIMARY ELEMENT	TEST POINT	WELL OR PROBE	VIEWING DEVICE CLASS	SAFETY DEVICE	FINAL ELEMENT
A	ANALYSIS	ARC AIC AC		AR AI	ASH ASL ASHL	ART AIT AT	AV	AE	AP	AW	BG		AV
B	BURNER/ COMBUSTION	BRC BIC BC		BR BI	BSH BSL BSHL	BRT BIT BT	BY	BE		BW			BZ
C	CONDUCTIVITY	CIC CC						CE					
D	USER'S CHOICE												
E	VOLTAGE	ERC EIC EC		ER EI	ESH ESL ESHL	ERT EIT ET	EY	EE					EZ
F	FLOW RATE	FRC FIC FC	FCV FICV	FR FI	FSH FSL FSHL	FRT FIT FT	FY	FE	FP		FG		FV
FO	FLOW QUANTITY	FORC FOIC FOC		FOR FOI	FOSH FOSL FOSHL	FORT FOIT FOT	FDY	FQI					FDV
FF	FLOW RATIO	FFRC FFIC FFC		FFR FFI	FFSH FFSL FFSHL			FE					FFV
G	USER'S CHOICE												
H	HAND	HIC HC	HV		HS								HV
I	CURRENT	IRC IIC IC		IR II	ISH ISL ISHL	IRT IIT IT	IY	IE					IY
J	POWER	JRC JIC JC		JR JI	JSH JSL JSHL	JRT JIT JT	JY	JE					JZ
K	TIME	KRC KIC KC	KCV	KR KI	KSH KSL KSHL	KRT KIT KT	KY	KE					KV
L	LEVEL	LRC LIC LC	LGV	LR LI	LSH LSL LSHL	LRT LIT LT	LY	LE		LW	LG		LV
M	NOISURE/ HUMIDITY			MI		MT							
N	USER'S CHOICE												
O	USER'S CHOICE												
P	PRESSURE VACUUM	PRC PIC PC	PCV	PR PI	PSH PSL PSHL	PRT PIT PT	PY	PE	PTP			PSY PSE	PV
PD	PRESSURE DIFFERENTIAL	PDRC PDIC PDC	PDCV	PDR PDI	PDSH PDSL PDSHL	PDRT PDIT PDT	PDY	PE	PTP				PDV
Q	QUALITY	QRC QIC QC		QR QI	QSH QSL QSHL	QRT QIT QT	QY	QE					QZ
R	RADIATION	RRC RIC RC		RR RI	RSH RSL RSHL	RRT RIT RT	RY	RE		RW			RZ
S	SPEED	SRC SIC SC	SCV	SR SI	SSH SSL SSHL	SRT SIT ST	SY	SE					SV
T	TEMPERATURE	TRC TRIC TIC	TCV	TR TI	TSH TSL TSHL	TRT TIT TT	TY	TE	TP	TW	TSE		TV
T	TEMPERATURE DIFFERENTIAL	TDRC TDIC TDC	TDCV	TDR TDI	TDSH TDSL TDSHL	TDRT TDIT TDT	TDY	TDE	TDP TTP	TDW TWW			TDV
U	MULTIVARIABLE			UR UI	VSH VSL VSHL	VRT VIT VT	UY	VE					UV
V	MACHINERY VIBRATION ANALYSIS			VR VI			VY						VZ
W	WEIGHT FORCE	WRC WIC WC	WCV	WR WI	WSH WSL WSHL	WRT WIT WT	WY	WE					WZ
WD	WEIGHT FORCE DIFFERENTIAL	WDRC WDIC WDC	WDCV	WDR WDI	WDSH WDSL WDSHL	WDRT WDIT WDT	WDY	WE					WDZ
X	USER'S CHOICE												
Y	EVENT STATE PRESENCE	YRC YIC YC		YR YI	YSH YSL	YRT YIT YT	YY	YE					YZ
Z	POSITION DIMENSION	ZRC ZIC ZC	ZCV	ZR ZI	ZSH ZSL ZSHL	ZRT ZIT ZT	ZY	ZE					ZV
ZD	GAUGING DEVIATION	ZDRC ZDIC ZDC	ZDCV	ZDR ZDI	ZDSH ZDSL ZDSHL	ZDRT ZDIT ZDT	ZDY	ZDE					ZDV

NOTE:
THIS TABLE IS NOT ALL-INCLUSIVE
*A, ALARM, THE ANNUNCIATING DEVICE, MAY BE USED IN THE SAME FASHION AS S, SWITCH, THE ACTING DEVICE.
** THE LETTERS H AND L MAY BE OMITTED IN THE UNDEFINED CASE.

OTHER POSSIBLE COMBINATIONS:
FO (RESTRICTION ORIFICE)
FRK, HIK (CONTROL STATIONS)
FX (ACCESSORIES)
TJR (SCANNING RECORDER)
LLH (PILOT LIGHT)
PFR (RATIO)
KQI (RUNNING TIME INDICATOR)
QOI (INDICATING COUNTER)
WKIC (RATE-OF-WEIGHT-LOSS CONTROLLER)
HMS (HAND MOMENTARY SWITCH)

(P04D) (DELETE FILE NAME IF INSERTED INTO DRAWING SET)